FIG. 1

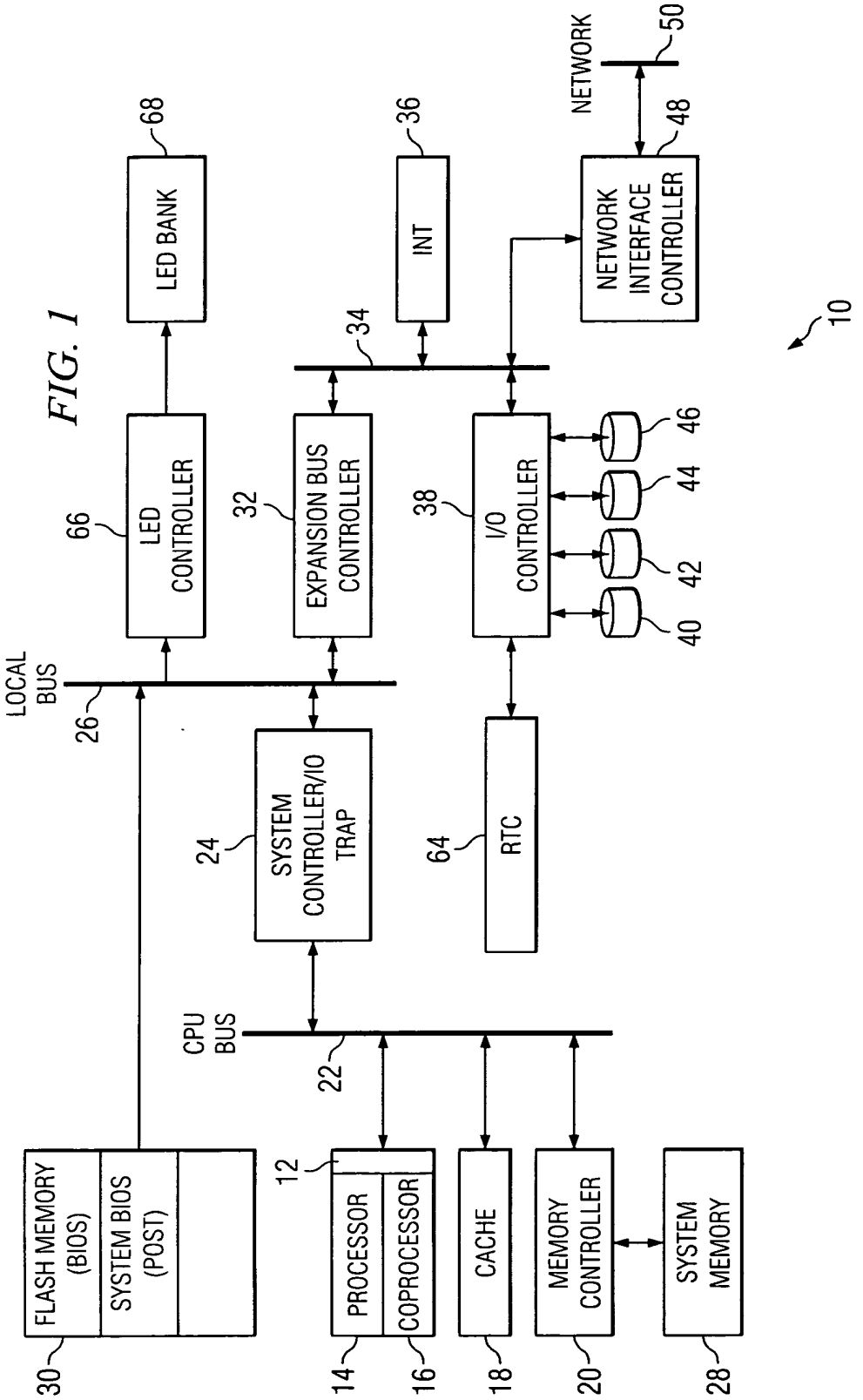
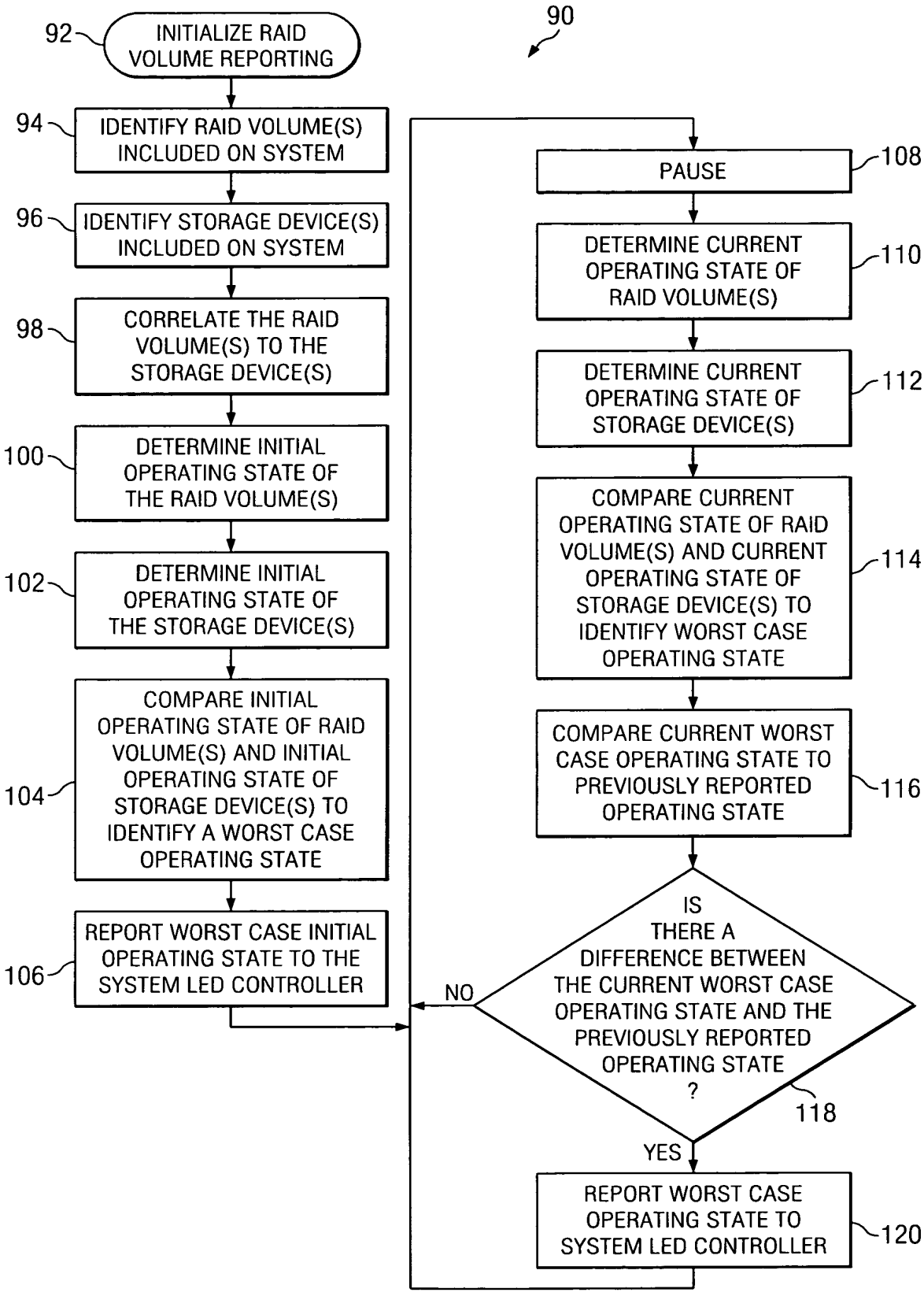

10
NETWORK
50
48
NETWORK INTERFACE CONTROLLER
36
INT
68
LED BANK
34
66
LED CONTROLLER
32
EXPANSION BUS CONTROLLER
38
I/O CONTROLLER
46
44
42
40
LOCAL BUS
26
24
SYSTEM CONTROLLER/IO TRAP
64
RTC
CPU BUS
22
12
PROCESSOR
COPROCESSOR
CACHE
MEMORY CONTROLLER
SYSTEM MEMORY
FLASH MEMORY (BIOS)
SYSTEM BIOS (POST)
30
14
16
18
20
28

FIG. 2


90
92
INITIALIZE RAID VOLUME REPORTING
94
IDENTIFY RAID VOLUME(S) INCLUDED ON SYSTEM
96
IDENTIFY STORAGE DEVICE(S) INCLUDED ON SYSTEM
98
CORRELATE THE RAID VOLUME(S) TO THE STORAGE DEVICE(S)
100
DETERMINE INITIAL OPERATING STATE OF THE RAID VOLUME(S)
102
DETERMINE INITIAL OPERATING STATE OF THE STORAGE DEVICE(S)
104
COMPARE INITIAL OPERATING STATE OF RAID VOLUME(S) AND INITIAL OPERATING STATE OF STORAGE DEVICE(S) TO IDENTIFY A WORST CASE OPERATING STATE
106
REPORT WORST CASE INITIAL OPERATING STATE TO THE SYSTEM LED CONTROLLER
108
PAUSE
110
DETERMINE CURRENT OPERATING STATE OF RAID VOLUME(S)
112
DETERMINE CURRENT OPERATING STATE OF STORAGE DEVICE(S)
114
COMPARE CURRENT OPERATING STATE OF RAID VOLUME(S) AND CURRENT OPERATING STATE OF STORAGE DEVICE(S) TO IDENTIFY WORST CASE OPERATING STATE
116
COMPARE CURRENT WORST CASE OPERATING STATE TO PREVIOUSLY REPORTED OPERATING STATE
118
IS THERE A DIFFERENCE BETWEEN THE CURRENT WORST CASE OPERATING STATE AND THE PREVIOUSLY REPORTED OPERATING STATE ?
NO
YES
120
REPORT WORST CASE OPERATING STATE TO SYSTEM LED CONTROLLER